

Claims

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1. Arrangement in a sheet-metal forming tool (7) comprising a first part (2) for performing a reciprocating movement, produced by means of a drive arrangement (3), in relation to a second part (4) fixed to a stand, and a bearing (5) arranged between the parts, of which the first part (2) has elements (6) for forming or machining a held sheet (1) **characterised in that** the bearing (5) comprises at least one wheel (5a) on a shaft (5b) arranged on one of the parts (2) and a running surface (5c) for the said wheel (5a) on the remaining part (4), the said surface facing the wheel (5a) and defining the movement of the first part (2).
- 10 2. Arrangement according to claim 1, **characterised in that** there are at least two wheels (5a) on the shaft (5b) arranged at a distance from one another.
- 15 3. Arrangement according to either of the preceding claims, **characterised in that** each wheel (5a) is enclosed by a housing (8), from which only a fraction of each wheel (5a) protrudes through an opening (10) facing the running surfaces (5c).
- 20 4. Arrangement according to any of the preceding claims, **characterised in that** the opening (10) lies substantially close up to each wheel (5a).
- 25 5. Arrangement according to any of the preceding claims, **characterised in that** the shaft (5b) is fixed to the part (2) designed with the forming or machining element (6), and that the wheels (5a) are rotatably supported on the shaft (5b).
- 30 6. Arrangement according to any of claims 1-4, **characterised in that** the shaft (5b) is fixed to the part (4) fixed to a stand, and that the wheels (5a) are rotatably supported on the shaft (5b).
- 35 7. Arrangement according to any of the preceding claims, **characterised in that** a sealing arrangement (9) is designed to form a seal between the first part (2) and the second part (4) and to substantially enclose the above-mentioned fraction of each wheel (5a).
8. Arrangement according to any of the preceding claims, characterised in that the arrangement (9) comprises a U-shaped seal (9b) arranged on the second part (4) and an I-shaped seal (9a), arranged on the first part (2) and extending between the

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legs of the U-shaped seal (9b).

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9. Arrangement according to any of the preceding claims, **characterised in that** the distance between the parts (2, 4) is less than the thickness of the sheet (1).
10. Arrangement according to any of the preceding claims, **characterised in that** the radial distance between the peripheral surface of each wheel (5a) and its pivot bearing (5d) is greater than the distance between the parts (2, 4).